

§ 30.15-1

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Subpart 30.15—Equivalents

§ 30.15-1 Conditions under which equivalents may be used—TB/ALL

(a) Where in this subchapter it is provided that a particular fitting, material, appliance, apparatus, or equipment, or type thereof, shall be fitted or carried in a vessel, or that any particular provision shall be made or arrangement shall be adopted, the Commandant may accept in substitution therefor any other fitting, material, apparatus, or equipment, or type thereof, or any other arrangement: *Provided*, That he shall have been satisfied by suitable trials that the fitting, material, appliance, apparatus, or equipment, or type thereof, or the provision or arrangement is at least as effective as that specified in this subchapter.

(b) In any case where it is shown to the satisfaction of the Commandant that the use of any particular equipment, apparatus, or arrangement not specifically required by law is unreasonable or impracticable, the Commandant may permit the use of alternate equipment, apparatus, or arrangement to such an extent and upon such conditions as will insure, to his satisfaction, a degree of safety consistent with the minimum standards set forth in this subchapter.

Subpart 30.25—Commodities Regulated

§ 30.25-1 Cargoes carried in vessels certificated under the rules of this subchapter.

The cargoes listed in Table 30.25-1 are flammable or combustible and when transported in bulk must be in vessels certificated under the rules of this subchapter. A mixture or blend of two or more cargoes appearing in Table 30.25-1 may be transported under the provisions of this subchapter. A category A, B, or C noxious liquid substance (NLS) cargo, as defined in § 153.2 of this chapter, that is listed in Table 30.25-1 and any mixture containing one or more category A, B, or C NLS cargoes listed

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in Table 30.25-1 may be carried in bulk under this subchapter if the vessel is not regulated under part 153 of this chapter. If the vessel is regulated under § 153.1 of this chapter, category A, B, and C NLS cargoes must be carried under part 153, or, as an alternative in the case of category C oil-like NLS, under 33 CFR part 151. Requirements for category D NLS cargoes and mixtures of non-NLS cargoes with category D NLS cargoes are in 33 CFR part 151.

TABLE 30.25-1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES

Cargoes	Pollution category
Acetone	III
Acetophenone	@D
•Acrylonitrile-Styrene copolymer dispersion in Polyether polyol	D
•Alcohols (C13 and above), see Alcohols (C13+)	
Alcohols (C13+)	III
Alcoholic beverages, n.o.s.	III
Alcohol(C6-C17)(secondary) poly(3-6)ethoxylates	A
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	B
•Alcohol(C12-C15) poly(1-3)ethoxylates, see Alcohol(C12-C15) poly(1-6)ethoxylates	A
•Alcohol(C12-C15) poly(3-11)ethoxylates, see Alcohol(C12-C15) poly(1-6), or poly(7-19)ethoxylates	A
Alcohol(C12-C15) poly(1-6)ethoxylates	A
Alcohol(C12-C15) poly(7-19)ethoxylates	B
Alcohol(C12-C15) poly(20+)ethoxylates	C
n-Alkanes (C10+)	III
iso- & cyclo-Alkanes (C10-C11)	D
iso- & cyclo-Alkanes (C12+)	III
Alkaryl polyether (C9-C20)	B
Alkenyl(C11+) amine	D
Alkenylsuccinic anhydride	#
Alkyl(C8+)amine, Alkenyl (C12+) acid ester mixture	D
•Alkyl(C9-C17) benzenes, see Alkyl(C9+benzenes	III
Alkyl(C9+)benzenes	III
Alkylbenzenesulfonic acid (4% or less)	#
Alkyl dithiothiadiazole (C6-C24)	D
Alkyl ester copolymer (C6-C18)	[D]
Alkyl phenol sulfide (C8-C40)	[D]
•Alkyl phthalates (n-), see individual phthalates	
Aminoethyldiethanolamine, Aminoethylethanolamine solution	III
•Amyl acetate (iso-, n-), see Amyl acetate (all isomers)	C
Amyl acetate (all isomers)	C
Amyl alcohol (iso-, n-, sec-, primary)	D
Amyl alcohol (tert-)	III
Amylene, see Pentene (all isomers)	C
Amyl methyl ketone, see Methyl amyl ketone	D
Animal and Fish oils, n.o.s. (see also Oil, edible, or Oil, misc.)	D

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TABLE 30.25-1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargoes	Pollution category
<i>Including:</i>	
<i>Cod liver oil</i>	
<i>Lanolin</i>	
<i>Neatsfoot oil</i>	
<i>Pilchard oil</i>	
<i>Sperm oil</i>	
Animal and Fish acid oils and distillates, n.o.s.	D
<i>Including:</i>	
<i>Animal acid oil</i>	
<i>Fish acid oil</i>	
<i>Lard acid oil</i>	
<i>Mixed acid oil</i>	
<i>Mixed general acid oil</i>	
<i>Mixed hard acid oil</i>	
<i>Mixed soft acid oil</i>	
Aryl polyolefin (C11–C50)	D
Asphalt	I
Asphalt blending stocks:	
Roofers flux	I
Straight run residue	I
+Barium long chain alkaryl sulfonate (C11–C50)	[B]
+Barium long chain alkyl(C8–C14)phenate sulfide	[A]
Behenyl alcohol	III
Benzene tricarboxylic acid trioctyl ester	III
Benzyl alcohol	C
Brake fluid base mixtures <i>(containing Poly(2-8)alkylene(C2–C3) glycols, Polyalkylene(C2–C10) glycol monoalkyl(C1–C4) ethers, and their borate esters)</i>	D
Butane	LFG
Butene, see Butylene.	
Butene oligomer	B
•(iso-, n-) Butyl acetate see Butyl acetate (all isomers)	C
•sec-Butyl acetate see Butyl acetate (all isomers)	C
Butyl acetate (all isomers)	C
Butyl alcohol (iso-, n-, sec-, tert-)	III
Butyl benzyl phthalate	A
Butylene	LFG
Butylene glycol	D
•1,3-Butylene glycol, see Butylene glycol	@D
Butylene polyglycol, see Butylene glycol	D
iso-Butyl formate	@D
n-Butyl formate	[C]
Butyl heptyl ketone	III
•Butyl methyl ketone, see Methyl butyl ketone	@A
Butyl stearate	D
Butyl toluene	A
•gamma-Butyrolactone	C
Calcium alkyl(C9)phenol sulfide, polyolefin phosphorusulfide mixture	D
•Calcium alkyl salicylate, see Calcium long chain alkyl salicylate (C13+)	[D]
Calcium long chain alkaryl sulfonate (C11–C50)	D
Calcium long chain alkyl phenate (C8–C40)	D
Calcium long chain alkyl phenate sulfide (C8–C40)	C
Calcium long chain alkyl salicylate (C13+)	D
•Calcium long chain alkyl phenolic amine (C8–C40)	C
Caprolactam solutions	III
•Cetyl alcohol (hexadecanol), see Alcohols (C13+)	D
Cetyl-Stearyl alcohol	III
† Coal tar	A

TABLE 30.25-1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargoes	Pollution category
•Cumene (<i>isopropylbenzene</i>), see Propylbenzene (all isomers)	A
Cyclohexane	C
•Cyclohexanol	D
1,3-Cyclopentadiene dimer (molten)	B
•Cyclopentadiene polymers, see 1,3-Cyclopentadiene dimer (molten)	
•p-Cymene	C
Decahydronaphthalene	D
•iso-Decaldehyde	@C
•n-Decaldehyde	@B
•Decane, see n-Alkanes (C10+)	III
Decene	B
Decyl acetate	B
Decyl alcohol (all isomers)	B
Decylbenzene (n-)	D
Detergent alkylate	D
Diacetone alcohol	D
Dialkyl(C10–C14) benzenes	D
Dialkyl(C7–C13) phthalates <i>Including:</i>	D
Diisodecyl phthalate.	
Diisononyl phthalate.	
Dinonyl phthalate.	
Ditridecyl phthalate.	
Diundecyl phthalate.	
•Dibutyl carbinol, see Nonyl alcohol (all isomers)	C
•ortho-Dibutyl phthalate	A
Dicyclopentadiene, see 1,3-Cyclopentadiene dimer (molten)	B
Diethylbenzene	A
Diethylene glycol	D
Diethylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	D
Diethylene glycol butyl ether acetate, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether acetate	D
Diethylene glycol dibutyl ether	D
Diethylene glycol diethyl ether	III
Diethylene glycol ethyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	D
•Diethylene glycol ethyl ether acetate, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether acetate	D
Diethylene glycol n-hexyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	D
•Diethylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	D
•Diethylene glycol methyl ether acetate, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether acetate	D
Diethylene glycol phenyl ether	#
•Diethylene glycol phthalate	D
Diethylene glycol propyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	D
Di-(2-ethylhexyl)adipate	D
•Di-(2-ethylhexyl)phthalate, see Dialkyl(C7–C13) phthalates	D
Diethyl phthalate	C
Diglycidyl ether of Bisphenol A	B
Dihexyl phthalate	III
Dihexyl phthalate	III
•Diisobutylcarbinol, see Nonyl alcohol (all isomers)	C
Diisobutylene	B
Diisobutyl ketone	D
Diisobutyl phthalate	B
•Diisodecyl phthalate, see Dialkyl(C7–C13) phthalates	D

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Cargoes	Pollution category
Diisononyl adipate	D
•Diisononyl phthalate, see Dialkyl(C7-C13) phthalates	D
Diisooctyl phthalate	III
Diisopropylbenzene (<i>all isomers</i>)	A
Diisopropyl naphthalene	D
Dimethyl adipate	B
•Dimethylbenzene, see Xylenes	
Dimethyl glutarate	C
Dimethyl phthalate	C
•Dimethylpolysiloxane, see Polydimethylsiloxane	III
2,2-Dimethylpropane-1,3-diol	D
Dimethyl succinate	C
•Dinonyl phthalate, see Dialkyl(C7-C13) phthalates	D
Diocetyl phthalate	III
Dipentene	C
Diphenyl	A
Diphenyl, Diphenyl ether mixture	A
Diphenyl ether	A
Diphenyl ether, Biphenyl phenyl ether mixture	A
Dipropylene glycol	III
Dipropylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	D
Dipropylene glycol dibenzoate	[D]
•Dipropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	D
Distillates:	
Flashed feed stocks	I
Straight run	I
•Ditridecyl phthalate, see Dialkyl(C7-C13) phthalates	
•Diundecyl phthalate, see Dialkyl(C7-C13) phthalates	
Dodecane (<i>all isomers</i>)	III
Dodecanol	LFG
Dodecene (<i>all isomers</i>)	C
Dodecyl alcohol, see Dodecanol	
Dodecylbenzene	
Dodecyl phenol	
Dodecyl xylene	
Drilling mud (low toxicity) (<i>if flammable or combustible</i>)	[III]
Ethane	D
2-Ethoxyethyl acetate	D
•Ethoxylated alcohols, C11-C15, see the alcohol polyethoxylates	D
Ethoxy triglycerol (<i>crude</i>)	D
Ethyl acetate	D
Ethyl acetoacetate	D
Ethyl alcohol	III
Ethyl amyl ketone	C
Ethylbenzene	B
Ethyl butanol	@D
Ethyl butyrate	C
Ethyl cyclohexane	C
2-Ethyl-2-(hydroxymethyl) propane-1,3-diol, C8-C10 ester	[D]
Ethylene	D
Ethylene carbonate	LFG
Ethylene glycol	III
Ethylene glycol acetate	D
Ethylene glycol butyl ether acetate	D
Ethylene glycol diacetate	C
Ethylene glycol dibutyl ether	C
Ethylene glycol ethyl ether acetate, see 2-Ethoxyethyl acetate	C
Ethylene glycol methyl butyl ether	D
Ethylene glycol methyl ether acetate	C

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Cargoes	Pollution category
Ethylene glycol phenyl ether	D
Ethylene glycol phenyl ether, Diethylene glycol phenyl ether mixture	D
Ethylene-Propylene copolymer (<i>in liquid mixtures</i>)	[III]
Ethyl-3-ethoxypropionate	C
•2-Ethylhexaldehyde, see Octyl aldehydes	
•2-Ethylhexanoic acid, see Octanoic acid (<i>all isomers</i>)	D
2-Ethylhexanol, see Octanol (<i>all isomers</i>)	@C
•Ethylhexoic acid, see 2-Ethylhexanoic acid	
Ethyl hexyl phthalate	C
Ethyl propionate	D
Ethyl toluene	B
•Fatty acid (<i>saturated, C13 and above</i>), see Fatty acid (<i>saturated, C13+</i>)	III
Fatty acid (<i>saturated, C13+</i>)	III
Formamide	D
Furfuryl alcohol	C
† Gas oil, cracked	I
Gasoline blending stocks:	
Alkanes	I
† Reformates	I
Gasolines:	
† Automotive (<i>containing not over 4.23 grams lead per gallon</i>)	I
† Aviation (<i>containing not over 4.86 grams lead per gallon</i>)	I
Casinghead (<i>natural</i>)	I
Polymer	I
† Straight run	I
Glycerine	III
Glycerine (83%), Dioxanediethanol (17%) mixture	D
•Glycerol, see Glycerine	
Glycerol monooleate	D
Glycerol polyalkoxylate	III
Glycerol triacetate	III
•Glycidyl ester of tertiary carboxylic acid, see Glycidyl ester of tridecyl acetic acid	
Glycidyl ester of C10 trialkylacetic acid, see Glycidyl ester of tridecyl acetic acid	
Glycidyl ester of tridecyl acetic acid	B
Glycidyl ester of tridecyl acetic acid	B
•Glycidyl ester of versatic acid, see Glycidyl ester of tridecyl acetic acid	
•Glycol diacetate, see Ethylene glycol diacetate	
•Glycol triacetate, see Glycerol triacetate	
Glyoxal solution (40% or less)	D
•Heptadecane, see n-Alkanes (C10+)	III
Heptane (<i>all isomers</i>)	C
Heptanoic acid	D
Heptanol (<i>all isomers</i>)	C
Heptene (<i>all isomers</i>)	C
Heptyl acetate	B
•Herbicide (C15 -H22 -NO2 -Cl), see Metolachlor	
•Hexaethylene glycol, see Polyethylene glycol	
Hexamethylene glycol	III
Hexamethylenetetramine solutions	D
Hexane (<i>all isomers</i>)	C
Hexanoic acid	D
Hexanol	D
Hexene (<i>all isomers</i>)	C
Hexyl acetate	B
Hexylene glycol	III
•Hog grease, see Lard	
2-Hydroxy-4-(methylthio)butanoic acid	C
Hydroxy terminated polybutadiene, see Polybutadiene, hydroxy terminated	

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TABLE 30.25-1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargoes	Pollution category
Isophorone	D
Jet fuels:	
† JP-4	I
JP-5 (<i>kerosene, heavy</i>)	I
JP-8	@I
Kerosene	I
Lactic acid	D
Lard	III
Latex (ammonia (1% or less) inhibited)	D
Latex, liquid synthetic <i>including:</i>	III
Styrene-butadiene rubber	III
Carboxylated styrene-butadiene co-polymer	III
Lecithin (<i>soybean</i>)	[D]
Long chain alkaryl polyether (C11–C20)	C
Long chain alkaryl sulfonic acid (C16–C60)	D
•Long chain alkylphenate/Phenol sulfide mixture	III
Magnesium long chain alkaryl sulfonate (C11–C50)	D
Magnesium long chain alkyl phenate sulfide (C8–C20)	[D]
Magnesium long chain alkyl salicylate (C11+)	C
•Magnesium nonyl phenol sulfide, see Magnesium long chain alkyl phenate sulfide (C8–C20)	[D]
•Magnesium sulfonate, see Magnesium long chain alkaryl sulfonate (C11–C50)	D
2-Mercaptobenzothiazol (<i>in liquid mixtures</i>)	#
Methane	LFG
3-Methoxy-1-butanol	III
3-Methoxybutyl acetate	D
1-Methoxy-2-propyl acetate	#
•Methoxy triglycol (<i>triethylene glycol methyl ether</i>), see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Methyl acetate	III
Methyl acetoacetate	D
Methyl alcohol	D
Methyl amyl acetate	C
Methyl amyl alcohol	C
•Methyl amyl ketone	D
•Methyl butanol, see <i>the amyl alcohols</i>	D
Methyl butenol	D
Methyl butyl ketone	D
Methyl butynol	D
Methyl butyrate	C
Methyl ethyl ketone	III
Methyl heptyl ketone	B
Methyl isobutyl carbinol, see Methyl amyl alcohol	C
Methyl isobutyl ketone	D
3-Methyl-3-methoxybutanol	D
3-Methyl-3-methoxybutyl acetate	III
Methyl naphthalene	A
•Methyl pentene, see Hexene (all isomers)	D
+Methyl propyl ketone	D
•N-Methyl-2-pyrrolidone	D
Methyl tert-butyl ether	B
Metolachlor	I
Mineral spirits	D
•Myrcene	
Naphtha:	
•† Aromatic (<i>having less than 10% Benzene</i>)	@I
Heavy	@I
Paraffinic	@I
† Petroleum	I
† Solvent	@I

TABLE 30.25-1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargoes	Pollution category
Stoddard Solvent	@I
† Varnish makers' and painters' (75%)	@I
N-Methylglucamine solution (70% or less)	III
n-Pentyl propionate	C
Naphthalene sulfonic acid-formaldehyde co-polymer, sodium salt solution	D
Naphthenic acid	A
Nonane (all isomers)	C
Nonanoic acid (all isomers)	D
Nonanoic, Tridecanoic acid mixture	@D
•Nonene (all isomers)	B
Nonyl acetate	C
•Nonyl alcohol (all isomers)	C
Nonyl methacrylate monomer	D
Nonyl phenol	A
Nonyl phenol poly(4-12)ethoxylates	B
•Nonyl phenol sulfide (90% or less), see Alkyl phenol sulfide (C8–C40)	
Noxious liquid, N.F., (1) n.o.s. ("trade name" contains "principle components") ST 1, Cat A (<i>if combustible</i>)	A
Noxious liquid, F., (2) n.o.s. ("trade name" contains "principle components") ST 1, Cat A	A
Noxious liquid, N.F., (3) n.o.s. ("trade name" contains "principle components") ST 2, Cat A (<i>if combustible</i>)	A
Noxious liquid, F., (4) n.o.s. ("trade name" contains "principle components") ST 2, Cat A	A
Noxious liquid, N.F., (5) n.o.s. ("trade name" contains "principle components") ST 2, Cat B (<i>if combustible</i>)	B
Noxious liquid, N.F., (6) n.o.s. ("trade name" contains "principle components") ST 2, Cat B, mp. equal to or greater than 15 deg. C (<i>if combustible</i>)	B
Noxious liquid, F., (7) n.o.s. ("trade name" contains "principle components") ST 2, Cat B	B
Noxious liquid, F., (8) n.o.s. ("trade name" contains "principle components") ST 2, Cat B, mp. equal to or greater than 15 deg. C	B
Noxious liquid, N.F., (9) n.o.s. ("trade name" contains "principle components") ST 3, Cat A (<i>if combustible</i>)	A
Noxious liquid, F., (10) n.o.s. ("trade name" contains "principle components") ST 3, Cat A	A
Noxious liquid, N.F., (11) n.o.s. ("trade name" contains "principle components") ST 3, Cat B (<i>if combustible</i>)	B
Noxious liquid, N.F., (12) n.o.s. ("trade name" contains "principle components") ST 3, Cat B, mp. equal to or greater than 15 deg. C (<i>if combustible</i>)	B
Noxious liquid, F., (13) n.o.s. ("trade name" contains "principle components") ST 3, Cat B	B
Noxious liquid, F., (14) n.o.s. ("trade name" contains "principle components") ST 3, Cat B, mp. equal to or greater than 15 deg. C	B
Noxious liquid, N.F., (15) n.o.s. ("trade name" contains "principle components") ST 3, Cat C (<i>if combustible</i>)	C
Noxious liquid, F., (16) n.o.s. ("trade name" contains "principle components") ST 3, Cat C	C
Noxious liquid, n.o.s. (17) ("trade name" contains "principal components"), Category D (<i>if flammable or combustible</i>)	D

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TABLE 30.25-1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargoes	Pollution category
Non-noxious liquid, n.o.s. (18) ("trade name," contains "principal components"), Appendix III (if flammable or combustible)	III
•Octadecene, see the olefin or alpha-olefin entries	
Octadecenoamide solution (oleamide)	[D]
Octane (all isomers)	C
Octanoic acid (all isomers)	D
Octanol (all isomers)	C
Octene (all isomers)	B
Octyl acetate	C
•Octyl alcohol (iso-, n-), see Octanol (all isomers)	
Octyl aldehydes	B
Octyl decyl adipate	III
•Octyl phthalate (Di-(2-ethylhexyl)phthalate), see Dialkyl(C7-C13) phthalates	
Oil, edible:	
Beechnut	D
Castor	D
Cocoa butter	D
Coconut	D
Cod liver	D
Corn	D
Cottonseed	D
Fish, n.o.s.	D
Groundnut	D
Hazelnut	D
Lard	@III
Maize, see Corn oil	D
Nutmeg butter	D
Olive	D
Palm	D
Palm kernel	D
Peanut	D
Poppy	D
Raisin seed	D
Rapeseed	D
Rice bran	D
Safflower	D
Salad	D
Sesame	D
Soya bean	D
Sunflower, see Sunflower seed	D
Sunflower seed	D
Tucum	D
Vegetable, n.o.s.	D
Walnut	D
Oil, fuel:	
No. 1 (kerosene)	I
No. 1-D	I
No. 2	I
No. 2-D	I
No. 4	I
No. 5	I
No. 6	I
Oil, misc:	
Aliphatic	@I
Animal, n.o.s.	D
Aromatic	I
Clarified	I
Coal	#
•Coconut oil, esterified, see Coconut oil, fatty acid methyl ester	
Coconut oil, fatty acid	C
Coconut oil, fatty acid methyl ester	D
•Coconut oil, methyl ester, see Coconut oil, fatty acid methyl ester	
Cottonseed, fatty acid, see Cottonseed oil, fatty acid	C

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Cargoes	Pollution category
† Crude	I
Diesel	I
Gas, high pour	@I
Gas, low pour	@I
Gas, low sulfur	@I
Heartcut distillate	I
Lanolin	D
Linseed	D
Lubricating	I
Mineral	I
Mineral seal	@I
Motor	I
Neatsfoot	D
Oiticica	D
Palm oil, fatty acid methyl ester	D
•Palm oil, methyl ester, see Palm oil, fatty acid methyl ester	
Penetrating	I
Perilla	D
Pilchard	D
Pine	C
Residual	I
Road	I
Rosin	B
Seal	I
Soapstock	#
Soya bean (epoxidized)	[D]
Sperm	D
Spindle	I
Tall	B
Tall, fatty acid	C
Transformer	I
Tung	D
Turbine	I
Whale	D
alpha-Olefins (C6-C18)	B
alpha-Olefins (C13-C18)	III
Olefin mixtures (C5-C7)	C
Olefin mixtures (C5-C15)	B
•Olefins (C13+, all isomers)	III
Olefin/Akyl ester copolymer (molecular weight 2000+)	D
Oleic acid	D
•Oleyl alcohol (octadecenol), see Alcohols (C13+)	
•Organic amine 70, see	
Aminoethyldiethanolamine, Aminoethylmethanolamine solution	
Palm kernel acid oil, methyl ester	[D]
Palm stearin	D
•n-Paraffins (C10-C20), see n-Alkanes (C10+)	III
•Pentadecanol, see Alcohols (C13+)	
•Pentaethylene glycol, see Polyethylene glycols	
Pentaethylenehexamine	D
Pentane (all isomers)	C
Pentanoic acid	D
Pentene (all isomers)	C
Petrolatum	III
1-Phenyl-1-xylyl ethane	C
Phosphosulfurized bicyclic terpene	#
•Phthalate plasticizers, see individual phthalates	
Pinene, see the alpha- or beta- isomers	
alpha-Pinene	A
beta-Pinene	B
Polyalkylene glycols, Polyalkylene glycol monoalkyl ethers mixtures	@D
Polyalkylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	D

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Cargoes			Pollution category
Poly(2-8)alkylene ether	glycol	monoalkyl(C1-C6)	D
<i>Including:</i>			
Diethylene glycol butyl ether.			
Diethylene glycol ethyl ether.			
Diethylene glycol n-hexyl ether.			
Diethylene glycol methyl ether.			
Diethylene glycol n-propyl ether.			
Dipropylene glycol butyl ether.			
Dipropylene glycol methyl ether.			
Polypropylene glycol methyl ether.			
Triethylene glycol butyl ether.			
Triethylene glycol ethyl ether.			
Triethylene glycol methyl ether.			
Tripropylene glycol methyl ether.			
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate			D
<i>Including:</i>			
Diethylene glycol butyl ether acetate.			
Diethylene glycol ethyl ether acetate.			
Diethylene glycol methyl ether acetate.			
Polyalkylene oxide polyol			C
Polyalkyl methacrylate (C1-C20)			[D]
Polybutadiene, hydroxyl terminated			[III]
Polybutene			III
Polybutenyl succinimide			[D]
Polydimethylsiloxane			#
Polyether (molecular weight 2000+)			D
Polyethylene glycol			III
Polyethylene glycol dimethyl ether			III
Polyethylene glycol monoalkyl ether, <i>see</i> Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether			D
Polyglycerine, Sodium salts solution (containing less than 3% Sodium hydroxide)			III
•Polyglycerol			III
•Poly(4+) isobutylene			III
Polymerized esters			#
Polyolefin (molecular weight 300+)			III
Polyolefin amide alkeneamine (C28+)			D
Polyolefin amide alkeneamine borate (C28-C250)			D
•Polyolefin amide alkeneamine/Molybdenum oxysulfide mixture			III
Polyolefin amide alkeneamine polyol			D
Polyolefin anhydride			D
Polyolefin ester (C28-C250)			D
Polyolefin phenolic amine (C28-C250)			D
Polyolefin phosphorusulfide, barium derivative (C28-C250)			C
•Poly(20)oxyethylene sorbitan monooleate			III
•Poly(5+) propylene			III
Polypropylene glycol			D
Polypropylene glycol methyl ether, <i>see</i> Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether			D
Poly siloxane			III
•Potassium oleate			C
Propane			LFG
•n-Propoxypropanol (<i>propylene glycol propyl ether</i>), <i>see</i> Propylene glycol monoalkyl ether			D
•iso-Propyl acetate			III
•n-Propyl acetate			D
•iso-Propyl alcohol			III
•n-Propyl alcohol			III
•iso-Propylbenzene (<i>cumene</i>), <i>see</i> Propylbenzene (all isomers)			A
•n-Propylbenzene, <i>see</i> Propylbenzene (all isomers)			A
Propylbenzene (all isomers)			A

TABLE 30.25-1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargoes	Pollution category
iso-Propylcyclohexane	C
Propylene	LFG
Propylene-butylene copolymer	III
Propylene carbonate	[III]
Propylene dimer	C
Propylene glycol	III
Propylene glycol n-butyl ether, see Propylene glycol monoalkyl ether	D
• Propylene glycol ethyl ether, see Propylene glycol monoalkyl ether	D
• Propylene glycol methyl ether, see Propylene glycol monoalkyl ether	D
Propylene glycol methyl ether acetate	D
Propylene glycol monoalkyl ether Including: n-Propoxypropanol.	D
Propylene glycol n-butyl ether.	
Propylene glycol ethyl ether.	
Propylene glycol methyl ether.	
Propylene glycol phenyl ether	[D]
Propylene glycol propyl ether, see Propylene glycol monoalkyl ether	D
Propylene polymer (<i>in liquid mixtures</i>)	#
Propylene tetramer	B
Propylene trimer	B
• Pseudocumene , see Trimethylbenzenes	
• Rum , see Alcoholic beverages, n.o.s.	#
• Sodium acetate, Glycol, Water mixture (containing 1% or less, Sodium hydroxide) (<i>if flammable or combustible</i>)	D
• Sodium acetate solution	D
• Sodium benzoate solution	D
Sodium long chain alkyl salicylate (C13+)	[C]
Soyabean oil (epoxidized)	[D]
• Stearic acid, see Fatty acid (saturated, C13+)	III
Stearyl alcohol (<i>octadecanol</i>)	III
Sulfohydrocarbon (C3-C88)	D
Sulfohydrocarbon, long chain (C18+) alkylamine	B
Sulfolane	D
Tallow	D
• Tallow alcohol, see Alcohols (C13+)	D
Tallow fatty acid	III
Tallow alkyl nitrile	#
• Tetradecanol, see Alcohols (C13+)	III
• Tetradecene, see the olefin or alpha-olefin entries	
• Tetradecylbenzene	[D]
Tetraethylene glycol	III
Tetrahydronaphthalene	C
• Tetrapropylbenzene , see Alkyl(C9+)-benzenes	
Toluene	C
• Triarylpophosphate, see Triisopropylated phenyl phosphates	A
Tributyl phosphate	B
Tricresyl phosphate (less than 1% of the ortho isomer)	A
• Tridecane, see n-Alkanes (C10+)	III
Tridecanoic acid	B
• Tridecanol , see Alcohols (C13+)	
• Tridecene, see Olefins (C13+)	
Tridecyl acetate	III
• Tridecylbenzene	III
Triethylbenzene	[D]
Triethylene glycol	A
Triethylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	III
Triethylene glycol butyl ether mixture	#
Triethylene glycol di-(2-ethylbutylate)	[C]

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TABLE 30.25-1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargoes	Pollution category
Triethylene glycol ether mixture	#
•Triethylene glycol ethyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	D
•Triethylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	D
Triethyl phosphate	D
Triisooctyl trimellitate	#
Triisopropanolamine	III
Triisopropylated phenyl phosphates	A
Trimethylbenzene (all isomers)	A
Trimethylol propane polyethoxylate	D
•2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	III
2,2,4-Trimethyl-3-pentanol-1-isobutyrate	#
Tripropylene, see Propylene trimer	@B
Tripropylene glycol	III
•Tripropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	D
Trixylenyl phosphate	A
Trixylenyl phosphate, see Trixylenyl phosphate ...	A
Turpentine	B
•† Turpentine substitute, see θήτε σπιρτ (λας (15-20%) αρωματική)	@B
•Undecanol, see 1-Undecyl alcohol	B
Undecene	B
•1- Undecyl alcohol	[D]
•Undecylbenzene	D
Vegetable oils, n.o.s. (see also Oil, edible)	
<i>Including:</i>	
Beechnut oil	
Castor oil	
Cocoa butter	
Coconut oil	
Corn oil	
Cottonseed oil	
Groundnut oil	
Hazelnut oil	
Linseed oil	
Nutmeg butter	
Oiticica oil	
Olive oil	
Palm kernel oil	
Palm oil	
Peel oil (oranges and lemons)	
Perilla oil	
Poppy oil	
Raisin seed oil	
Rapeseed oil	
Rice bran oil	
Safflower oil	
Salad oil	
Sesame oil	
Soya bean oil	
Sunflower seed oil	
Tucum oil	
Tung oil	
Walnut oil	
Vegetable acid oils and distillates, n.o.s.	D

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TABLE 30.25-1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargoes	Pollution category
<i>Including:</i>	
Corn acid oil	
Cottonseed acid oil	
Dark mixed acid oil	
Groundnut acid oil	
Mixed acid oil	
Mixed general acid oil	
Mixed hard acid oil	
Mixed soft acid oil	
Rapeseed acid oil	
Safflower acid oil	
Soya acid oil	
Sunflower seed acid oil	
•Waxes:	
Candelilla	D
Carnauba	@D
Paraffin	III
•† White spirit see θήτε σπιρτ (λας (15-20%) αρωματική)	
† White spirit (low (15-20%) aromatic)	B
•Wine, see Alcoholic beverages, n.o.s.	
Xylenes (ortho-, meta-, para-)	C
Zinc alkaryl dithiophosphate (C7-C16)	C
Zinc alkenny carboxamide	D
Zinc alkyl dithiophosphate (C3-C14)	B

denotes newly added products.

Items with a bullet (•) or in **boldface** are changes since October 1, 1993.

NOTE: See table 2 of part 153 for additional cargoes permitted to be carried by tank barge.

Explanation of Symbols: As used in this table the following stands for:

A, B, C, D—NLS Category of Annex II of MARPOL 73/78.

I—Considered an “oil” under Annex I of MARPOL 73/78.

III—Appendix III of Annex II (non-NLS cargoes) of MARPOL 73/78.

LFG—Liquefied flammable gas.

#—NO DETERMINATION OF NLS STATUS. FOR SHIPPING ON AN OCEANOARING VESSEL, SEE 46 CFR 153.900(c).

[]—A NLS category in brackets indicates that the product is provisionally categorized and that further data are necessary to complete the evaluation of its pollution hazards. Until the hazard evaluation is completed, the pollution category assigned is used.

—@—The NLS category has been assigned by the U.S. Coast Guard, in absence of one assigned by the IMO. The category is based upon a GESAMP Hazard Profile or by analogy to a closely related product having an NLS assigned.

—†—THE PROVISIONS CONTAINED IN 46 CFR PART 197, SUBPART C, MAY APPLY TO THIS CARGO.

Abbreviations for Noxious liquid Cargoes:

N.F.—non-flammable (flash point greater than 60 degrees C (140 degrees F) cc).

F.—flammable (flash point less than or equal to 60 degrees C (140 degrees F) cc).

n.o.s.—not otherwise specified.

ST—Ship type.

Cat—Pollution category.

Words in italics are not part of the cargo name but may be used in addition to the cargo name.

When one entry references another entry by use of the word “see=†, ανδ βοητι νομίσα όρε ιν πομαν τυπε, ειτηρέ νομε μαν βεθεδ απ τη ναργο νομε (ε.γ. Λεπτην ειτηρ, ονε Ethyl ether). However, the referenced entry is preferred.

[CGD 81-101, 53 FR 28972, Aug. 1, 1988, as amended by CGD 88-100, 54 FR 40009, Sept. 29, 1989; CGD 88-100, 55 FR 17276, Apr. 24, 1990; CGD 88-040, 56 FR 52122, Oct. 17, 1991; CGD 92-100, 59 FR 17005, Apr. 11, 1994; CGD 94-900, 59 FR 45135, Aug. 31, 1994; CGD 94-902, 60 FR 34042, 34045, June 29, 1995; CGD 95-900, 60 FR 39267, Aug. 2, 1995]